

# A STUDY OF DURABILITY OF CONCRETE TOWARDS ALKALI-AGGREGATE REACTION (AAR) AND ITS PREVENTION

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## ABSTRACT

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This research paper is mainly about the reaction of concrete towards alkali-aggregate reaction (AAR). In most of the situation, deterioration of concrete is inevitable due to various factors.

There are 6 parts to be considered in this research paper:

1. Introduction to *alkali-aggregate reaction* (AAR)
2. Introduction to *alkali-silica reaction* (ASR)
3. Causes of *alkali-silica reaction*
4. Effects of *alkali-silica reaction*
5. Prevention measurements for *alkali-silica reaction*
6. Introduction to *alkali-carbonate reaction* (ACR)